

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: NEO-RAY

Report Number: P331815-927

Luminaire Tested: **S122RDIW-S675D970U927-4F0-1E-UDD-F**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331815-927
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-2,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S122RDIW-S675D970U927-4F0-1E-UDD-F
Description: DEFINE 2 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 675 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER, REGRESSED
HOUSING
UPLIGHT 970 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4906.2 lumens
Efficiency: N/A
Efficacy: 93.3 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 0.99 / 1.16
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Indirect

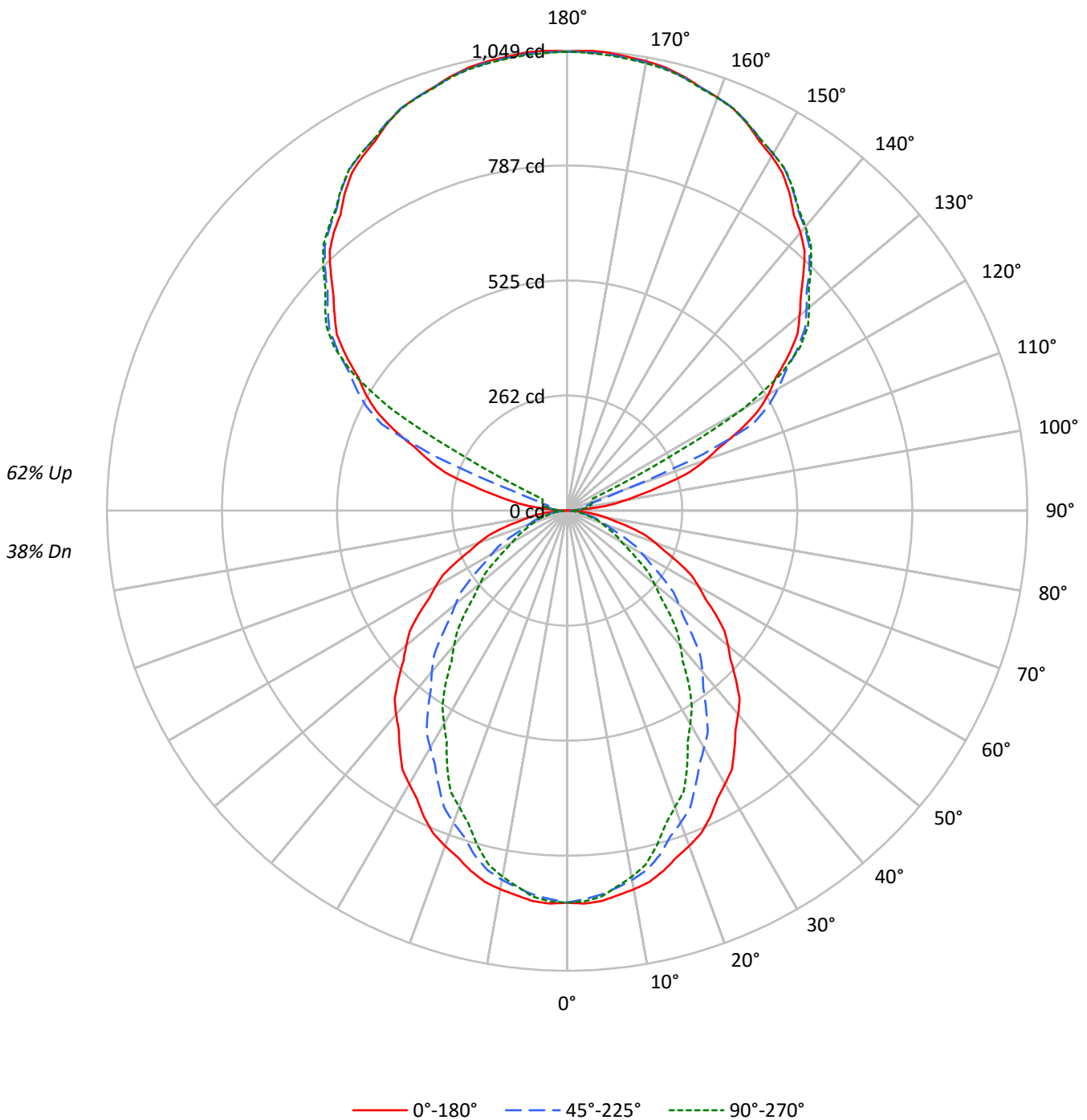
Input Watts (W): 52.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P331815-927

CATALOG NUMBER: S122RDIW-S675D970U927-4F0-1E-UDD-F

Luminous Intensity Polar Plot





TEST NUMBER: P331815-927

CATALOG NUMBER: S122RDIW-S675D970U927-4F0-1E-UDD-F

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|--|---|
| RF | 20 | | | | | 20 | | | | | 20 | | | | | 20 | | | | | 20 | | | | | |
| RC | 80 | | | | | 70 | | | | | 50 | | | | | 30 | | | | | 10 | | | | | 0 |
| RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 | | |
| RCR | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 104 | 104 | 104 | 104 | 94 | 94 | 94 | 94 | 76 | 76 | 76 | 60 | 60 | 60 | 45 | 45 | 45 | 38 | | | | | 38 | | | |
| 1 | 95 | 91 | 88 | 84 | 86 | 83 | 80 | 77 | 67 | 65 | 63 | 53 | 52 | 50 | 40 | 39 | 38 | 32 | | | | | 32 | | | |
| 2 | 87 | 80 | 74 | 69 | 79 | 73 | 68 | 64 | 59 | 56 | 53 | 47 | 45 | 43 | 36 | 34 | 33 | 28 | | | | | 28 | | | |
| 3 | 80 | 71 | 64 | 58 | 72 | 64 | 58 | 54 | 53 | 48 | 45 | 42 | 39 | 36 | 32 | 30 | 28 | 24 | | | | | 24 | | | |
| 4 | 73 | 63 | 55 | 49 | 66 | 57 | 51 | 46 | 47 | 42 | 39 | 38 | 34 | 32 | 29 | 27 | 25 | 21 | | | | | 21 | | | |
| 5 | 67 | 56 | 48 | 42 | 61 | 51 | 44 | 39 | 42 | 37 | 33 | 34 | 30 | 28 | 26 | 24 | 22 | 18 | | | | | 18 | | | |
| 6 | 62 | 50 | 42 | 37 | 56 | 46 | 39 | 34 | 38 | 33 | 29 | 31 | 27 | 24 | 24 | 21 | 19 | 16 | | | | | 16 | | | |
| 7 | 57 | 45 | 38 | 32 | 52 | 42 | 35 | 30 | 35 | 30 | 26 | 28 | 24 | 22 | 22 | 19 | 17 | 15 | | | | | 15 | | | |
| 8 | 53 | 41 | 34 | 29 | 48 | 38 | 31 | 27 | 32 | 27 | 23 | 26 | 22 | 19 | 20 | 17 | 16 | 13 | | | | | 13 | | | |
| 9 | 49 | 38 | 30 | 26 | 45 | 35 | 28 | 24 | 29 | 24 | 21 | 24 | 20 | 17 | 19 | 16 | 14 | 12 | | | | | 12 | | | |
| 10 | 46 | 35 | 28 | 23 | 42 | 32 | 26 | 21 | 27 | 22 | 19 | 22 | 18 | 16 | 17 | 15 | 13 | 11 | | | | | 11 | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 14428 | 14428 | 14428 |
| 5° | 14483 | 14248 | 14326 |
| 10° | 14372 | 14014 | 13895 |
| 15° | 14206 | 13600 | 13207 |
| 20° | 13979 | 13005 | 12352 |
| 25° | 13744 | 12332 | 11526 |
| 30° | 13420 | 11639 | 10465 |
| 35° | 13102 | 10886 | 9532 |
| 40° | 12783 | 10108 | 8454 |
| 45° | 12408 | 9232 | 7478 |
| 50° | 12024 | 8349 | 6521 |
| 55° | 11634 | 7398 | 5599 |
| 60° | 11176 | 6397 | 4647 |
| 65° | 10659 | 5375 | 4233 |
| 70° | 10041 | 4428 | 3895 |
| 75° | 9283 | 4036 | 3631 |
| 80° | 8201 | 3608 | 3310 |
| 85° | 6447 | 2853 | 2853 |



TEST NUMBER: P331815-927

CATALOG NUMBER: S122RDIW-S675D970U927-4F0-1E-UDD-F

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 83.6 | 1.7 |
| 10°-20° | 229.7 | 4.7 |
| 20°-30° | 322.5 | 6.6 |
| 30°-40° | 351.7 | 7.2 |
| 40°-50° | 323.4 | 6.6 |
| 50°-60° | 254.0 | 5.2 |
| 60°-70° | 165.6 | 3.4 |
| 70°-80° | 85.4 | 1.7 |
| 80°-90° | 24.7 | 0.5 |
| 90°-100° | 34.9 | 0.7 |
| 100°-110° | 128.0 | 2.6 |
| 110°-120° | 342.1 | 7.0 |
| 120°-130° | 564.7 | 11.5 |
| 130°-140° | 600.5 | 12.2 |
| 140°-150° | 558.1 | 11.4 |
| 150°-160° | 448.7 | 9.1 |
| 160°-170° | 289.2 | 5.9 |
| 170°-180° | 99.5 | 2.0 |
| 0°-30° | 635.8 | 13.0 |
| 0°-40° | 987.5 | 20.1 |
| 0°-60° | 1564.8 | 31.9 |
| 0°-90° | 1840.5 | 37.5 |
| 90°-120° | 504.9 | 10.3 |
| 90°-150° | 2228.2 | 45.4 |
| 90°-180° | 3066.0 | 62.5 |
| 0°-180° | 4906.2 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 894 | 894 | 894 | 894 | 894 | |
| 5° | 894 | 889 | 879 | 886 | 884 | 85 |
| 15° | 850 | 840 | 814 | 799 | 790 | 239 |
| 25° | 772 | 744 | 692 | 660 | 647 | 355 |
| 35° | 665 | 622 | 552 | 503 | 484 | 416 |
| 45° | 543 | 488 | 404 | 349 | 328 | 419 |
| 55° | 413 | 349 | 263 | 216 | 199 | 369 |
| 65° | 279 | 213 | 141 | 115 | 111 | 277 |
| 75° | 149 | 94 | 65 | 59 | 58 | 158 |
| 85° | 35 | 19 | 15 | 15 | 15 | 41 |
| 90° | 1 | 9 | 15 | 19 | 20 | 4 |
| 95° | 49 | 26 | 30 | 33 | 33 | 60 |
| 105° | 230 | 240 | 46 | 54 | 58 | 246 |
| 115° | 435 | 448 | 467 | 133 | 62 | 428 |
| 125° | 615 | 626 | 640 | 645 | 647 | 549 |
| 135° | 762 | 773 | 780 | 787 | 786 | 588 |
| 145° | 883 | 883 | 896 | 900 | 897 | 552 |
| 155° | 973 | 967 | 975 | 979 | 973 | 448 |
| 165° | 1025 | 1021 | 1023 | 1027 | 1023 | 289 |
| 175° | 1048 | 1043 | 1045 | 1049 | 1042 | 100 |
| 180° | 1046 | 1046 | 1046 | 1046 | 1046 | |



TEST NUMBER: P331815-927

CATALOG NUMBER: S122RDIW-S675D970U927-4F0-1E-UDD-F

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 893.6 | 893.6 | 893.6 | 893.6 | 893.6 | 893.6 | 893.6 | 893.6 | 893.6 | 893.6 | 893.6 |
| 2.5° | 896.8 | 896.1 | 895.4 | 894.7 | 894.0 | 892.8 | 891.2 | 889.6 | 888.1 | 886.5 | 888.0 |
| 5° | 893.6 | 892.7 | 891.8 | 890.9 | 890.0 | 888.4 | 886.1 | 883.8 | 881.4 | 879.1 | 880.7 |
| 7.5° | 884.4 | 883.3 | 882.2 | 881.1 | 880.0 | 878.0 | 875.3 | 872.6 | 869.8 | 867.1 | 867.5 |
| 10° | 876.6 | 875.4 | 874.1 | 872.8 | 871.6 | 869.2 | 865.5 | 862.0 | 858.4 | 854.8 | 854.3 |
| 12.5° | 866.9 | 865.4 | 863.8 | 862.3 | 860.7 | 857.7 | 853.1 | 848.5 | 843.8 | 839.2 | 838.3 |
| 15° | 849.9 | 848.0 | 846.0 | 844.0 | 842.0 | 838.0 | 831.9 | 825.8 | 819.7 | 813.6 | 810.2 |
| 17.5° | 829.1 | 826.1 | 823.1 | 820.0 | 817.0 | 811.6 | 803.7 | 795.9 | 788.1 | 780.2 | 776.2 |
| 20° | 813.6 | 809.9 | 806.4 | 802.8 | 799.2 | 792.9 | 783.9 | 774.9 | 766.0 | 756.9 | 752.4 |
| 22.5° | 796.7 | 792.7 | 788.7 | 784.7 | 780.6 | 773.6 | 763.4 | 753.3 | 743.1 | 733.0 | 727.2 |
| 25° | 771.5 | 765.7 | 760.0 | 754.2 | 748.5 | 739.7 | 727.9 | 716.0 | 704.1 | 692.2 | 684.8 |
| 27.5° | 741.1 | 734.8 | 728.6 | 722.3 | 716.1 | 706.2 | 692.9 | 679.5 | 666.1 | 652.8 | 644.2 |
| 30° | 719.8 | 712.9 | 706.1 | 699.3 | 692.4 | 681.8 | 667.4 | 653.1 | 638.7 | 624.3 | 615.1 |
| 32.5° | 699.0 | 691.0 | 683.1 | 675.1 | 667.1 | 655.8 | 641.1 | 626.5 | 611.8 | 597.1 | 586.7 |
| 35° | 664.7 | 655.6 | 646.4 | 637.2 | 628.1 | 615.6 | 599.8 | 584.0 | 568.2 | 552.3 | 541.0 |
| 37.5° | 630.5 | 620.4 | 610.3 | 600.2 | 590.2 | 576.7 | 559.9 | 543.0 | 526.2 | 509.3 | 496.9 |
| 40° | 606.5 | 595.7 | 584.9 | 574.2 | 563.4 | 549.3 | 531.9 | 514.4 | 497.0 | 479.6 | 466.8 |
| 42.5° | 581.9 | 570.6 | 559.2 | 547.9 | 536.5 | 521.8 | 503.8 | 485.8 | 467.8 | 449.8 | 436.6 |
| 45° | 543.4 | 531.4 | 519.4 | 507.3 | 495.3 | 479.8 | 461.0 | 442.1 | 423.2 | 404.3 | 391.6 |
| 47.5° | 505.9 | 493.1 | 480.4 | 467.6 | 454.9 | 438.8 | 419.3 | 399.8 | 380.3 | 360.8 | 348.2 |
| 50° | 478.7 | 466.0 | 453.2 | 440.5 | 427.7 | 411.5 | 391.7 | 371.9 | 352.1 | 332.4 | 320.0 |
| 52.5° | 452.3 | 438.9 | 425.6 | 412.3 | 398.9 | 382.5 | 363.2 | 343.9 | 324.6 | 305.2 | 293.3 |
| 55° | 413.3 | 399.3 | 385.2 | 371.2 | 357.2 | 340.5 | 321.1 | 301.7 | 282.3 | 262.8 | 252.1 |
| 57.5° | 373.3 | 358.9 | 344.5 | 330.2 | 315.8 | 299.3 | 280.6 | 262.0 | 243.3 | 224.7 | 214.8 |
| 60° | 346.1 | 331.8 | 317.3 | 303.0 | 288.6 | 272.2 | 253.7 | 235.1 | 216.7 | 198.1 | 188.9 |
| 62.5° | 319.6 | 305.2 | 290.8 | 276.5 | 262.1 | 246.1 | 228.5 | 210.8 | 193.1 | 175.5 | 166.8 |
| 65° | 279.0 | 264.4 | 249.9 | 235.4 | 220.8 | 205.4 | 189.3 | 173.1 | 156.9 | 140.7 | 134.6 |
| 67.5° | 239.9 | 225.4 | 211.0 | 196.5 | 182.0 | 167.5 | 153.0 | 138.5 | 123.9 | 109.3 | 106.5 |
| 70° | 212.7 | 198.7 | 184.7 | 170.6 | 156.6 | 143.4 | 131.0 | 118.6 | 106.2 | 93.8 | 92.0 |
| 72.5° | 186.8 | 173.3 | 159.9 | 146.5 | 133.0 | 121.4 | 111.4 | 101.4 | 91.5 | 81.5 | 80.0 |
| 75° | 148.8 | 136.3 | 123.7 | 111.1 | 98.5 | 89.1 | 83.0 | 76.9 | 70.8 | 64.7 | 63.5 |
| 77.5° | 111.5 | 100.4 | 89.4 | 78.3 | 67.3 | 60.3 | 57.4 | 54.4 | 51.5 | 48.6 | 47.8 |
| 80° | 88.2 | 79.0 | 69.8 | 60.7 | 51.5 | 46.0 | 44.2 | 42.4 | 40.6 | 38.8 | 38.1 |
| 82.5° | 66.8 | 59.7 | 52.5 | 45.3 | 38.2 | 34.0 | 32.8 | 31.5 | 30.3 | 29.2 | 28.7 |
| 85° | 34.8 | 31.0 | 27.3 | 23.4 | 19.6 | 17.5 | 17.0 | 16.5 | 15.9 | 15.4 | 15.4 |
| 87.5° | 10.5 | 9.7 | 9.0 | 8.2 | 7.4 | 7.1 | 7.4 | 7.7 | 7.9 | 8.2 | 8.2 |
| 90° | 0.8 | 2.6 | 4.4 | 6.3 | 8.2 | 9.7 | 11.1 | 12.4 | 13.8 | 15.1 | 16.0 |
| 92.5° | 15.3 | 15.1 | 15.0 | 14.8 | 14.7 | 14.9 | 15.5 | 16.2 | 16.9 | 17.6 | 18.0 |
| 95° | 49.2 | 43.6 | 38.1 | 32.6 | 27.0 | 24.8 | 26.0 | 27.2 | 28.4 | 29.5 | 30.3 |
| 97.5° | 97.7 | 82.0 | 66.4 | 50.7 | 35.1 | 28.6 | 31.4 | 34.1 | 36.8 | 39.5 | 40.2 |
| 100° | 134.0 | 110.9 | 87.9 | 64.9 | 41.8 | 31.7 | 34.5 | 37.4 | 40.3 | 43.2 | 44.5 |
| 102.5° | 174.0 | 169.1 | 164.2 | 159.3 | 154.4 | 140.1 | 116.1 | 92.2 | 68.3 | 44.4 | 46.1 |
| 105° | 230.1 | 235.2 | 240.2 | 245.3 | 250.3 | 229.9 | 183.9 | 138.0 | 92.1 | 46.2 | 48.0 |
| 107.5° | 294.1 | 298.3 | 302.3 | 306.3 | 310.5 | 284.9 | 229.9 | 174.8 | 119.7 | 64.6 | 62.7 |
| 110° | 335.3 | 338.9 | 342.4 | 345.9 | 349.4 | 326.9 | 278.3 | 229.7 | 181.1 | 132.5 | 115.7 |



TEST NUMBER: P331815-927

CATALOG NUMBER: S122RDIW-S675D970U927-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 374.1 | 377.2 | 380.3 | 383.5 | 386.6 | 382.1 | 370.2 | 358.1 | 346.1 | 334.1 | 272.7 |
| 115° | 435.2 | 438.1 | 441.0 | 443.9 | 446.7 | 450.2 | 454.4 | 458.6 | 462.9 | 467.1 | 389.1 |
| 117.5° | 489.9 | 493.1 | 496.3 | 499.5 | 502.7 | 505.7 | 508.7 | 511.5 | 514.4 | 517.3 | 498.4 |
| 120° | 529.9 | 532.4 | 534.9 | 537.4 | 540.0 | 542.7 | 545.7 | 548.8 | 551.8 | 554.8 | 556.9 |
| 122.5° | 563.8 | 566.4 | 569.1 | 571.7 | 574.4 | 577.4 | 580.7 | 584.0 | 587.2 | 590.6 | 591.8 |
| 125° | 615.4 | 617.6 | 619.8 | 621.9 | 624.2 | 626.9 | 630.0 | 633.3 | 636.4 | 639.6 | 640.8 |
| 127.5° | 662.2 | 664.6 | 667.0 | 669.5 | 671.8 | 674.3 | 676.7 | 679.1 | 681.4 | 683.8 | 685.6 |
| 130° | 691.9 | 694.6 | 697.3 | 699.9 | 702.6 | 704.9 | 706.7 | 708.6 | 710.4 | 712.3 | 714.2 |
| 132.5° | 722.2 | 724.5 | 726.7 | 729.0 | 731.3 | 733.3 | 735.2 | 737.0 | 738.9 | 740.8 | 742.4 |
| 135° | 761.5 | 764.2 | 766.9 | 769.6 | 772.3 | 774.4 | 775.9 | 777.4 | 778.9 | 780.5 | 782.1 |
| 137.5° | 801.3 | 803.2 | 805.1 | 807.0 | 808.8 | 810.6 | 812.4 | 814.0 | 815.8 | 817.5 | 819.2 |
| 140° | 827.4 | 828.7 | 830.0 | 831.4 | 832.7 | 834.3 | 836.1 | 838.0 | 839.9 | 841.8 | 843.3 |
| 142.5° | 849.1 | 850.3 | 851.6 | 852.8 | 854.0 | 855.6 | 857.8 | 859.9 | 862.1 | 864.1 | 865.5 |
| 145° | 883.4 | 883.2 | 883.0 | 882.9 | 882.7 | 884.1 | 886.9 | 889.8 | 892.6 | 895.5 | 896.7 |
| 147.5° | 913.2 | 912.5 | 911.9 | 911.2 | 910.6 | 911.7 | 914.6 | 917.3 | 920.2 | 923.1 | 923.9 |
| 150° | 932.6 | 931.4 | 930.2 | 929.1 | 927.9 | 928.6 | 931.3 | 934.0 | 936.7 | 939.4 | 940.4 |
| 152.5° | 949.0 | 947.6 | 946.3 | 945.0 | 943.6 | 944.3 | 946.8 | 949.4 | 952.0 | 954.5 | 955.5 |
| 155° | 972.7 | 971.1 | 969.6 | 968.1 | 966.6 | 966.9 | 968.9 | 970.9 | 973.0 | 974.9 | 976.0 |
| 157.5° | 991.3 | 990.1 | 988.7 | 987.5 | 986.2 | 986.3 | 987.7 | 989.1 | 990.5 | 991.9 | 993.1 |
| 160° | 1002.2 | 1001.2 | 1000.2 | 999.2 | 998.1 | 998.1 | 999.2 | 1000.2 | 1001.2 | 1002.2 | 1003.2 |
| 162.5° | 1011.9 | 1010.9 | 1009.9 | 1008.8 | 1007.9 | 1007.8 | 1008.7 | 1009.6 | 1010.4 | 1011.3 | 1012.4 |
| 165° | 1024.9 | 1023.9 | 1022.9 | 1021.9 | 1020.9 | 1020.6 | 1021.1 | 1021.6 | 1022.2 | 1022.6 | 1023.8 |
| 167.5° | 1034.6 | 1033.6 | 1032.6 | 1031.6 | 1030.5 | 1030.3 | 1030.8 | 1031.3 | 1031.7 | 1032.2 | 1033.3 |
| 170° | 1040.1 | 1039.0 | 1038.1 | 1037.0 | 1036.0 | 1035.7 | 1036.0 | 1036.3 | 1036.7 | 1037.0 | 1038.2 |
| 172.5° | 1043.7 | 1042.7 | 1041.6 | 1040.7 | 1039.7 | 1039.3 | 1039.7 | 1040.0 | 1040.3 | 1040.7 | 1041.9 |
| 175° | 1048.4 | 1047.2 | 1046.0 | 1044.9 | 1043.7 | 1043.2 | 1043.6 | 1043.9 | 1044.3 | 1044.6 | 1045.8 |
| 177.5° | 1049.2 | 1048.2 | 1047.3 | 1046.3 | 1045.4 | 1045.0 | 1045.1 | 1045.2 | 1045.4 | 1045.5 | 1046.5 |
| 180° | 1046.1 | 1046.1 | 1046.1 | 1046.1 | 1046.1 | 1046.1 | 1046.1 | 1046.1 | 1046.1 | 1046.1 | 1046.1 |



TEST NUMBER: P331815-927

CATALOG NUMBER: S122RDIW-S675D970U927-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 893.6 | 893.6 | 893.6 | 893.6 | 893.6 | 893.6 | 893.6 | 893.6 |
| 2.5° | 889.4 | 890.8 | 892.2 | 892.8 | 892.6 | 892.2 | 892.0 | 891.7 |
| 5° | 882.3 | 883.9 | 885.5 | 886.1 | 885.5 | 884.9 | 884.5 | 883.9 |
| 7.5° | 868.0 | 868.5 | 868.9 | 868.7 | 867.8 | 866.9 | 865.9 | 865.0 |
| 10° | 853.7 | 853.2 | 852.6 | 851.8 | 850.7 | 849.7 | 848.6 | 847.5 |
| 12.5° | 837.3 | 836.4 | 835.4 | 834.0 | 832.2 | 830.4 | 828.6 | 826.8 |
| 15° | 806.8 | 803.3 | 799.9 | 797.3 | 795.5 | 793.7 | 791.9 | 790.1 |
| 17.5° | 772.1 | 768.0 | 764.0 | 760.4 | 757.3 | 754.2 | 751.1 | 748.1 |
| 20° | 748.0 | 743.5 | 738.9 | 734.7 | 730.8 | 726.8 | 722.9 | 718.9 |
| 22.5° | 721.4 | 715.7 | 709.9 | 705.5 | 702.5 | 699.6 | 696.6 | 693.7 |
| 25° | 677.5 | 670.1 | 662.7 | 657.7 | 655.1 | 652.4 | 649.7 | 647.0 |
| 27.5° | 635.6 | 627.0 | 618.5 | 612.0 | 607.7 | 603.4 | 599.1 | 594.8 |
| 30° | 606.0 | 596.8 | 587.6 | 580.7 | 575.8 | 570.9 | 566.1 | 561.3 |
| 32.5° | 576.2 | 565.8 | 555.3 | 547.8 | 543.2 | 538.7 | 534.1 | 529.6 |
| 35° | 529.7 | 518.4 | 507.1 | 499.4 | 495.4 | 491.5 | 487.6 | 483.6 |
| 37.5° | 484.3 | 471.9 | 459.5 | 450.9 | 446.4 | 441.9 | 437.4 | 432.8 |
| 40° | 454.0 | 441.2 | 428.5 | 419.8 | 415.1 | 410.4 | 405.8 | 401.1 |
| 42.5° | 423.4 | 410.2 | 397.0 | 388.2 | 383.7 | 379.1 | 374.6 | 370.0 |
| 45° | 378.8 | 366.1 | 353.3 | 344.8 | 340.5 | 336.1 | 331.8 | 327.5 |
| 47.5° | 335.5 | 322.8 | 310.1 | 301.8 | 297.9 | 294.0 | 290.0 | 286.1 |
| 50° | 307.6 | 295.2 | 282.8 | 274.6 | 270.9 | 267.1 | 263.4 | 259.6 |
| 52.5° | 281.3 | 269.3 | 257.3 | 249.6 | 246.1 | 242.6 | 239.2 | 235.7 |
| 55° | 241.3 | 230.4 | 219.7 | 212.6 | 209.2 | 205.7 | 202.3 | 198.9 |
| 57.5° | 204.9 | 195.0 | 185.1 | 178.7 | 175.9 | 173.0 | 170.1 | 167.2 |
| 60° | 179.8 | 170.6 | 161.4 | 155.4 | 152.6 | 149.7 | 146.8 | 143.9 |
| 62.5° | 158.0 | 149.2 | 140.5 | 135.3 | 133.6 | 131.9 | 130.2 | 128.4 |
| 65° | 128.5 | 122.4 | 116.3 | 113.0 | 112.4 | 111.9 | 111.3 | 110.8 |
| 67.5° | 103.7 | 100.9 | 98.2 | 96.4 | 95.9 | 95.3 | 94.7 | 94.1 |
| 70° | 90.2 | 88.4 | 86.6 | 85.4 | 84.6 | 83.9 | 83.2 | 82.5 |
| 72.5° | 78.5 | 77.0 | 75.5 | 74.5 | 74.1 | 73.7 | 73.2 | 72.8 |
| 75° | 62.2 | 60.9 | 59.7 | 58.9 | 58.8 | 58.6 | 58.4 | 58.2 |
| 77.5° | 47.1 | 46.3 | 45.6 | 45.2 | 44.8 | 44.6 | 44.3 | 44.0 |
| 80° | 37.4 | 36.7 | 36.0 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 |
| 82.5° | 28.3 | 27.8 | 27.4 | 27.2 | 27.2 | 27.2 | 27.2 | 27.2 |
| 85° | 15.4 | 15.4 | 15.4 | 15.4 | 15.4 | 15.4 | 15.4 | 15.4 |
| 87.5° | 8.2 | 8.2 | 8.3 | 8.3 | 8.4 | 8.5 | 8.6 | 8.6 |
| 90° | 16.8 | 17.7 | 18.5 | 19.1 | 19.4 | 19.7 | 20.1 | 20.4 |
| 92.5° | 18.5 | 18.9 | 19.3 | 19.6 | 19.8 | 20.0 | 20.2 | 20.4 |
| 95° | 31.2 | 32.1 | 32.9 | 33.2 | 33.0 | 32.9 | 32.7 | 32.6 |
| 97.5° | 40.9 | 41.5 | 42.2 | 42.6 | 42.9 | 43.0 | 43.3 | 43.4 |
| 100° | 45.9 | 47.2 | 48.6 | 49.4 | 49.7 | 50.1 | 50.4 | 50.7 |
| 102.5° | 47.8 | 49.6 | 51.3 | 52.4 | 52.9 | 53.4 | 53.9 | 54.3 |
| 105° | 49.9 | 51.7 | 53.6 | 54.8 | 55.5 | 56.2 | 56.9 | 57.5 |
| 107.5° | 60.8 | 59.0 | 57.1 | 56.5 | 57.2 | 57.8 | 58.5 | 59.2 |
| 110° | 98.8 | 82.0 | 65.2 | 57.1 | 57.8 | 58.5 | 59.1 | 59.8 |



TEST NUMBER: P331815-927

CATALOG NUMBER: S122RDIW-S675D970U927-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 211.4 | 150.0 | 88.6 | 58.2 | 58.8 | 59.3 | 59.9 | 60.4 |
| 115° | 311.2 | 233.4 | 155.5 | 110.5 | 98.4 | 86.3 | 74.1 | 62.1 |
| 117.5° | 479.6 | 460.8 | 442.0 | 412.6 | 372.8 | 333.0 | 293.3 | 253.4 |
| 120° | 558.9 | 560.9 | 562.9 | 552.5 | 529.9 | 507.2 | 484.4 | 461.8 |
| 122.5° | 593.0 | 594.2 | 595.4 | 593.8 | 589.4 | 585.0 | 580.6 | 576.2 |
| 125° | 642.0 | 643.2 | 644.4 | 645.2 | 645.7 | 646.2 | 646.7 | 647.2 |
| 127.5° | 687.3 | 689.0 | 690.7 | 691.6 | 691.7 | 691.8 | 691.9 | 692.0 |
| 130° | 716.0 | 717.9 | 719.7 | 720.6 | 720.3 | 720.2 | 720.0 | 719.9 |
| 132.5° | 743.9 | 745.5 | 747.1 | 747.8 | 747.6 | 747.4 | 747.3 | 747.1 |
| 135° | 783.8 | 785.4 | 787.1 | 787.8 | 787.5 | 787.1 | 786.8 | 786.5 |
| 137.5° | 820.8 | 822.4 | 824.1 | 824.7 | 824.1 | 823.5 | 822.9 | 822.4 |
| 140° | 844.8 | 846.3 | 847.8 | 848.1 | 847.3 | 846.4 | 845.6 | 844.8 |
| 142.5° | 866.9 | 868.3 | 869.7 | 869.9 | 869.1 | 868.2 | 867.4 | 866.6 |
| 145° | 897.9 | 899.0 | 900.2 | 900.4 | 899.5 | 898.7 | 897.9 | 897.0 |
| 147.5° | 924.8 | 925.7 | 926.5 | 926.6 | 925.9 | 925.2 | 924.5 | 923.8 |
| 150° | 941.4 | 942.4 | 943.4 | 943.5 | 942.7 | 941.8 | 941.0 | 940.2 |
| 152.5° | 956.6 | 957.5 | 958.5 | 958.5 | 957.4 | 956.3 | 955.2 | 954.1 |
| 155° | 977.0 | 977.9 | 979.0 | 978.8 | 977.5 | 976.1 | 974.8 | 973.4 |
| 157.5° | 994.2 | 995.4 | 996.5 | 996.4 | 995.1 | 993.8 | 992.4 | 991.2 |
| 160° | 1004.2 | 1005.2 | 1006.2 | 1006.2 | 1005.0 | 1003.8 | 1002.7 | 1001.5 |
| 162.5° | 1013.6 | 1014.7 | 1015.9 | 1015.7 | 1014.2 | 1012.8 | 1011.4 | 1010.0 |
| 165° | 1025.0 | 1026.2 | 1027.4 | 1027.4 | 1026.2 | 1025.0 | 1023.8 | 1022.6 |
| 167.5° | 1034.5 | 1035.7 | 1036.9 | 1036.7 | 1035.2 | 1033.7 | 1032.2 | 1030.7 |
| 170° | 1039.4 | 1040.5 | 1041.7 | 1041.6 | 1040.1 | 1038.6 | 1037.0 | 1035.5 |
| 172.5° | 1043.0 | 1044.2 | 1045.4 | 1045.2 | 1043.7 | 1042.2 | 1040.7 | 1039.2 |
| 175° | 1046.9 | 1048.1 | 1049.3 | 1049.1 | 1047.3 | 1045.7 | 1044.0 | 1042.4 |
| 177.5° | 1047.4 | 1048.3 | 1049.2 | 1049.2 | 1047.9 | 1046.7 | 1045.5 | 1044.3 |
| 180° | 1046.1 | 1046.1 | 1046.1 | 1046.1 | 1046.1 | 1046.1 | 1046.1 | 1046.1 |

(END OF REPORT)